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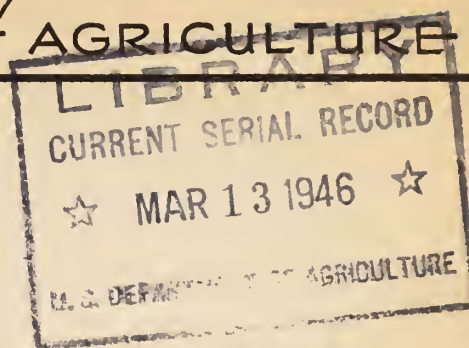
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LIBRARY NEWSLETTER

U. S. DEPARTMENT OF AGRICULTURE

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SELECTED BOOKS AND PAMPHLETS

ADSORPTION

ADSORPTION by C. L. Mantell. 386 p. N.Y., McGraw-Hill, 1945. 386 M31

Although written from the engineering viewpoint this book will be of interests to those engaged in soil research, particularly those concerned with the exchange capacities of soils and related properties.

Contents.- The unit operation of adsorption.- Theories of adsorption.- Fuller's earth and activated clays.- Aluminum oxide base materials.- Bone char and related materials.- Decolorizing carbons and water-treatment carbon.- Metal- and medicinal- adsorbent chars.- Gas- adsorbent carbons.- Silica gel.- Magnesia and hydrous oxides.- Solvent recovery and adsorption from gases.- Odor removal.- Gas masks.- Gas hydrates.- Dehydration of air and gases.- Ion exchangers.- Chromatographic adsorption analysis.- Inspection, specifications, and testing of adsorbents.

AGRICULTURAL EXTENSION

FARMERS OF THE WORLD: THE DEVELOPMENT OF AGRICULTURAL EXTENSION, Brunner, Edmund deS., Sanders, I. P., and Ensminger, Douglas. 208 p. Columbia Univ. Press, 1945.

A survey of extension work (as a way of bringing about social change in agricultural communities) in various parts of world. Description of rural life in various countries, and two papers on peasant cultures in general.

AGRICULTURE

Brandt, Karl. THE RECONSTRUCTION OF WORLD AGRICULTURE. 416 p. Norton 1945
281 B733

A timely book on a topic of vital, current interest. The book opens with a review of the period after World War I. The author then analyses the developments during World War II and the food requirements and adjustments during the demobilization period. The last part is concerned with agricultural policies and adjustments for the future.

CARPENTRY

LIGHT FRAME HOUSE CONSTRUCTION. U.S. Office of education. Vocational division. 214 p. (Vocational division bulletin no. 145)

Technical information for the use of apprentice and journeyman carpenters.

CROPS

NEW CROPS FOR THE NEW WORLD, edited by Charles Morrow Wilson. 295 p. Macmillan, 1945 31 W69

Before Pearl Harbor 94 per cent of our essential tropical commodities were imported from the Eastern Hemisphere - all of these crops can be grown successfully in the Western Hemisphere.

This book is an account of rubber plantations in the South American forests; of the essential oils in Brazil and Honduras; and of silks from South American, of bamboos, of the developing field of tropical fruits, the breeding of livestock for that area, and many other essential crops being grown in Latin America today.

FERTILIZERS

NATIONAL JOINT COMMITTEE ON NITROGEN UTILIZATION. Proceedings of the third annual meeting, 1944. 119 p. 57.9 W217

The Proceedings include information on Work of the Joint Committee on Nitrogen Utilization.- Report of the Subcommittee on Green Manures, cover crops, and crop residues.- Report of the Subcommittee on nitrogen utilization on haylands and pastures.- Summary of results with corn and small grains in the southeastern states.- Report of the Subcommittee on Forestry.- Suggestions of Subcommittee on fruits and ornamentals.- Fertilizer experiments on nitrogen utilization by vegetable crops in some western states.

FORESTRY

FOREST COVER TYPES OF WESTERN NORTH AMERICA. Society of American foresters. Committee on western forest types. 35 p. Washington, D.C., 1945

The following information is given for each of the fifty types described: Definition and composition; nature and occurrence; transition forms and variants; relation to other classifications.

LAND SETTLEMENT

SETTLEMENT OF RETURNING VETERANS ON FARMS IN RECLAMATION PROJECTS. U.S. Congress House. Committee on irrigation and reclamation. Hearings on H.R. 520 Seventy-ninth congress. 2 pts. 1945

PLANTS

PLANT GEOGRAPHY AND CULTURE HISTORY IN THE AMERICAN SOUTHWEST, by G. F. Carter. 140 p. Viking fund, inc. 1945 446 C24

PLANTS Cont.

"Although there have been many studies made of the domestic plants of the New World, most such studies have been made from the agronomists' point of view. As a result the possibility of using these plants as a key to culture history has largely been ignored. In this study the approach is from the geographers' point of view and emphasis is placed on a real distributions. Using these distributions as a key, an attempt is then made to solve some of the problems of cultural origins in North America and particularly in the American South West." - Introduction

RESEARCH

SCIENCE - THE ENDLESS FRONTIER, by Vannevar Bush. 184 p. U.S. Govt. print. off., 1945.

A report to the President on a program for postwar scientific research by the Director of the U.S. Office of scientific research and development.

SOIL

SOIL, THE FOUNDATION OF AGRICULTURE, by D. W. Pittman. 234 p. Edwards, 1938. 56 P68

The book is divided into two parts. Part I - Study of the Soil, includes chapters on Soil-forming rocks, Placement of soil material; Climate and soil; Soil colloids; Soil moisture, air and heat; Chemical analysis of soils; The soil survey etc. Part II - Problems of soil management discusses Tillage, Erosion, Blowing, Dry-farming, Irrigation, Rotation, Alkali, Acidity and Liming, Fertilizers, Soil and crop adaptations etc.

WATER ANALYSIS

NOTES ON PRACTICAL WATER ANALYSIS, by W. D. Collins. 262 p. Water-supply paper 596-H. U.S. Geol. survey. 407 G29W No. 596-H

WATER RESOURCES

ARIZONA WATER RESOURCES. U.S. Congress. Senate. Committee on irrigation and reclamation. Hearings on S. Res. 304, Seventy-eighth congress. 251 p. 1945.

An investigation regarding present and future need for development of projects for irrigation and hydroelectric power.

There is a similar publication on NEW MEXICO WATER RESOURCES

WOOD TECHNOLOGY

WOOD TECHNOLOGY: CONSTITUTION, PROPERTIES AND USES, by H. D. Tiemann. 328 p. 2nd ed. Pitman, 1944. 99.79 T44

Starting with a discussion of what wood really is the book proceeds to the life of a tree and the structure of the material. Detailed consideration is given to the methods of identifying species and an original identification key, developed by the author, is an important feature. Wood

WOOD TECHNOLOGY Cont.

shrinkage and swelling, collapse, and mechanical properties are carefully treated as well as the distinguishing features of American woods. Processes-such as the electrical methods for drying and gluing wood- are fully described. Much new material is included in this new edition.

SELECTED USDA AND STATE PUBLICATIONS .

ALCOHOL

Jacobs, P. B. ALCOHOL FROM AGRICULTURAL COMMODITIES. 77 p. U.S. Bur of Agricultural and industrial chemistry AIC-95 May 1945. 1.932 A2Ag82

BUILDING

Fickes, C. F. and Groben, W. E. BUILDING WITH LOGS. 56 p. USDA Miscel. pub. 579. Sept. 1945 1 Ag84M

CATTLE

Nystrom, A. B. DAIRY CATTLE JUDGING. 29 p. U.S.D.A. Farmers' Bul. No. 1769. 1 Ag84 F

CORN

Jaeger, C. M. and others. A SELECTED AND ANNOTATED BIBLIOGRAPHY ON SOFT CORN AND PERTINENT INFORMATION ON THE DRYING, PRESERVATION, AND STORAGE BEHAVIOR OF CORN AND OTHER GRAINS. 48 p. U.S. Bur. of Agricultural and industrial chemistry AIC-100 Oct. 1945. 1.932 A2Ag82

A publication of the Northern Regional Research Laboratory, Peoria, Ill.

COTTON

Omohundro, E. H. and others. DOMESTIC COTTON SURPLUS DISPOSAL PROGRAMS. 51 p. USDA Miscel. pub. 577 Sept. 1945. 1 Ag84M

DATES

Nixon, Roy W. DATE CULTURE IN THE UNITED STATES. 44p. USDA Circular 728 August 1945 1 Ag84C

EROSION

Roberts, George. SUGGESTIONS ON EROSION CONTROL. 20 p. Ky. Agr. Ext. Div. Circ. 406. July 1945.

FABRICS

Klemme, D. E. THE DETERIORATION OF COTTON FABRIC BY CERTAIN MICRO-ORGANISMS. 11 p. USDA Circular 737 Sept. 1945 1 Ag84C

FARM LEASES

Harris, M. D. and others. BETTER FARM LEASES. 41 p. USDA Farmers' bul. no. 1969. June 1945 1 Ag84F

LET'S TALK ABOUT FARM LEASES AND HOW THEY CAN BE IMPROVED. A Discussion guide for farm groups. 8 p. USDA DS 27 1945 1 Ag84Ds

FARMS AND FARMING

Kinsman, C. D. and Reynoldson, L. A. LAYING OUT FIELDS FOR TRACTOR PLOWING. 18 p. USDA Farmers' bulletin 1045. Rev. Nov. 1945 1 Ag84F

Regan, M. I. and others. THE FARM REAL ESTATE SITUATION, 1944-45. 47 p. U.S. D.A. Circular no. 745. Oct. 1945.

FEEDS AND FEEDING

Atkinson, L. J. and Klein, J. W. FEED CONSUMPTION AND MARKETING WEIGHT OF HOGS. 28 p. USDA Tech. Bul. no. 894. July 1945. 1 Ag84To

LAMB-FEEDING RATIONS 9 p. N.M. Agr. Exp. Sta. Press bul. 1009 Sept. 1945 100 M46S

Nelson, A. G. RELATION OF FEED CONSUMED TO FOOD PRODUCTS PRODUCED BY FATTENING CATTLE. 36 p. USDA Tech. bul. 900 Sept. 1945 1 Ag84To

FOOD

PRICE SPREADS BETWEEN FARMERS AND CONSUMERS FOR FOOD PRODUCTS 1913-44. 290 p. USDA Miscel. pub. 576 Sept. 1945. 1 Ag84M

TABLES OF FOOD COMPOSITION IN TERMS OF ELEVEN NUTRIENTS. 30 p. USDA Miscel. pub. 572. 1 Ag84M

Prepared by Bureau of Human Nutrition and Home Economics in cooperation with National Research Council.

HEALTH

BETTER HEALTH FOR RURAL AMERICA. Plans of action for farm communities. 34 p. USDA Miscel pub. 573 Oct. 1945. 1 Ag84M

HOUSING

Geddes, J. A. and Fredrickson, C. D. UTAH HOUSING IN ITS GROUP AND COMMUNITY ASPECTS. 90 p. Utah Agr. Exp. Sta. Bul. 321. Aug. 1945.

McMillan, R. T. FARM HOUSING IN SOUTHERN OKLAHOMA. 23 p. Okla. Agr. Exp. Sta. Bul. B-290. Nov. 1945.

McMillan, R. T. SOCIAL FACTORS RELATED TO FARM HOUSING IN SOUTHERN OKLAHOMA. 28 p. Okla. Agr. Exp. Sta. Tech. Bul. No. T-22. Oct. 1945.

INSECTICIDES

- Cotton, R. T. and Frankenfeld, J. C. PROTECTING STORED SEED FROM INSECT ATTACK. 15 p. U. S. Bur. of Ent. and plant Quar E-677. Dec. 1945. 1.9 En83
- Bowen, C. V. and Haller, H. L. INSECTICIDAL ACTION OF ORGANIC HALOGEN COMPOUNDS - A COMPARISON OF SELECTED LITERATURE REFERENCES. 14 p. U. S. Bur. of Ent. and Plant Quar. E-678. Dec. 1945. 1.9 En83
- Dove, W. E. SUMMARY OF DDT EXPERIMENTS ON INSECTS THAT AFFECT MAN AND ANIMALS. 14 p. U. S. Bur. of Ent. and plant quar. E-673. Oct. 1945. 1.9 En83
- McIndoo, N. E. THE CASTOR-BEAN PLANT AS A SOURCE OF INSECTICIDES. A REVIEW OF THE LITERATURE. 15 p. U. S. Bur. of Ent. and Plant Quar. E-666 Aug. 1945 1.9 En83
- Orr, L. W. and Wygant, W. D. EXPERIMENTS IN THE USE OF DDT AND OTHER INSECTICIDES FOR CONTROL OF THE SPRUCE BUDWORM IN COLORADO IN 1944. 10 p. U.S. Bur. of Ent. and Plant Quar. E-669 Aug. 1945 1.9 En83
- Parr, T. J. and Baker, W. L. TESTS OF DDT ON CERTAIN SUCKING INSECTS ASSOCIATED WITH ELM. 7 p. U.S. Bur. of Ent. and Plant Quar. E-667. Aug. 1945 1.9 En83
- Roark, R. C. A THIRD LIST OF PUBLICATIONS ON DDT JANUARY THROUGH JUNE 1945. 28 p. U.S. Bur. of Ent. and plant quar. E-674. Nov. 1945. 1.9 En83
- Stago, H. H. USE OF DDT IN CONTROL OF FLIES ON CATTLE AND AROUND FARM BUILDINGS. 6 p. U. S. Bur. of Ent. and plant quar E-675. Dec. 1945 1.9 En83

MOTION PICTURES

- MOTION PICTURES OF THE UNITED STATES DEPARTMENT OF AGRICULTURE 1945. 52 p. USDA Miscel. pub. 574 1945. 1 Ag84M

POISONOUS PLANTS

- Crooks, D. I. and Kephart, L. W. POISON-IVY, POISON-OAK, AND POISON SUMAC: IDENTIFICATION, PRECAUTIONS, ERADICATION. 30 p. USDA Farmers' Bul. 1972 August 1945 1 Ag84F
- Hershey, A. L. SOME POISONOUS PLANT PROBLEMS OF NEW MEXICO. 223 p. N. M. Agr. Exp. Sta. Bul. no. 322 June 1945. 100 N46Sb

POULTRY

- THE NATIONAL POULTRY IMPROVEMENT PLAN. 26 p. USDA Miscel. pub. no. 300. Rev. Sept. 1945. 1 Ag84M

RANGE

- Jones, B. J. and Love, R. I. IMPROVING CALIFORNIA RANGES 48 p. Calif. Ext. Serv. Circ. 129. April 1945.

